



Hurricane Thompson Briefing # 1

5 PM - Thursday September 1, 2022

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Situation Overview

Hurricane Thompson

- Hurricane Thompson is expected to move up the east coast this weekend and ***may*** pose a threat to Southern New England by end of the holiday weekend/early next week

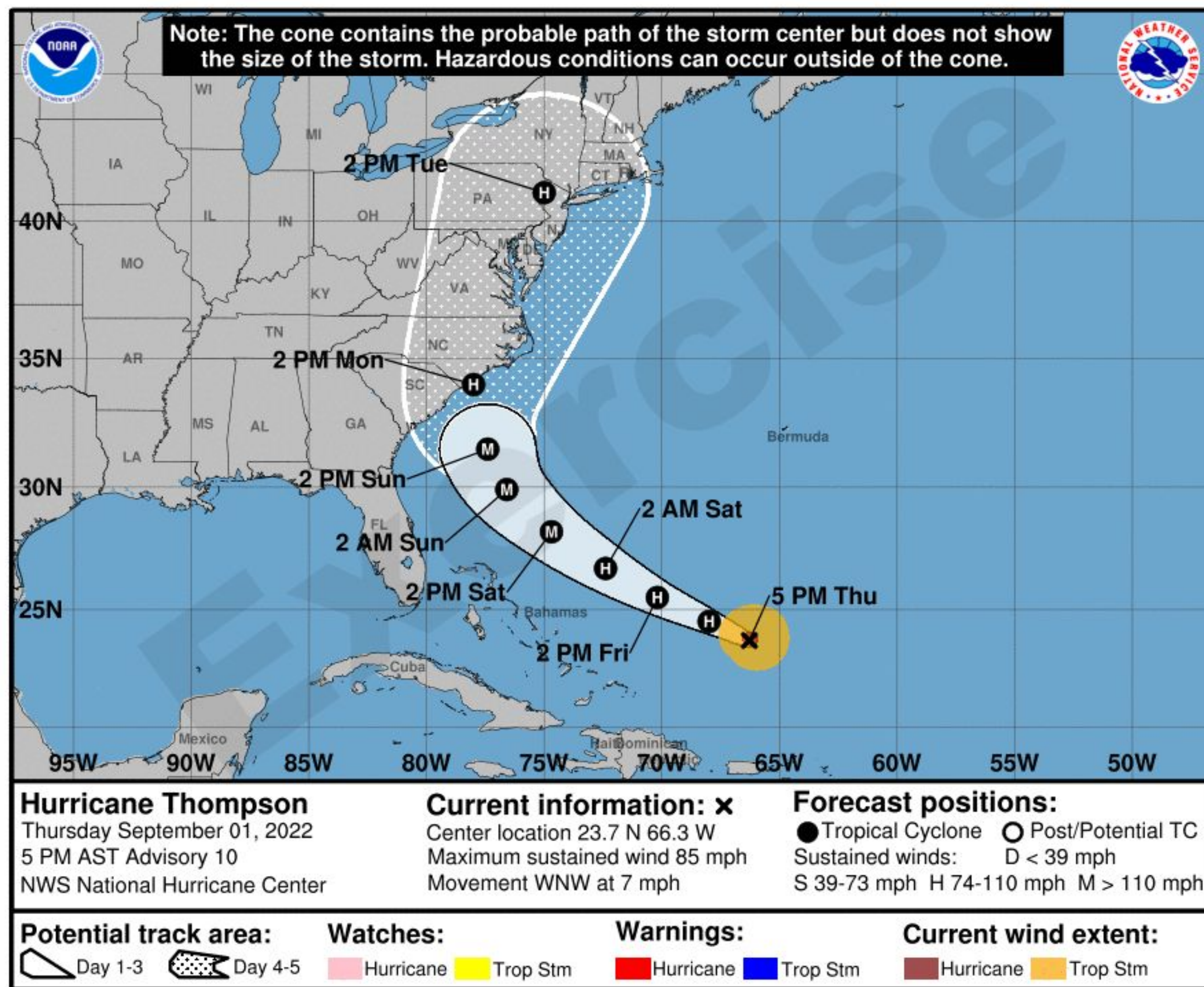
- Timing: Monday (Labor Day) night or Tuesday

- Possible Hazards Would Include:
 - Damaging winds
 - Flooding rain along and west of the storm track
 - Storm surge flooding - dependent on track and timing



Situation Overview

Hurricane Thompson



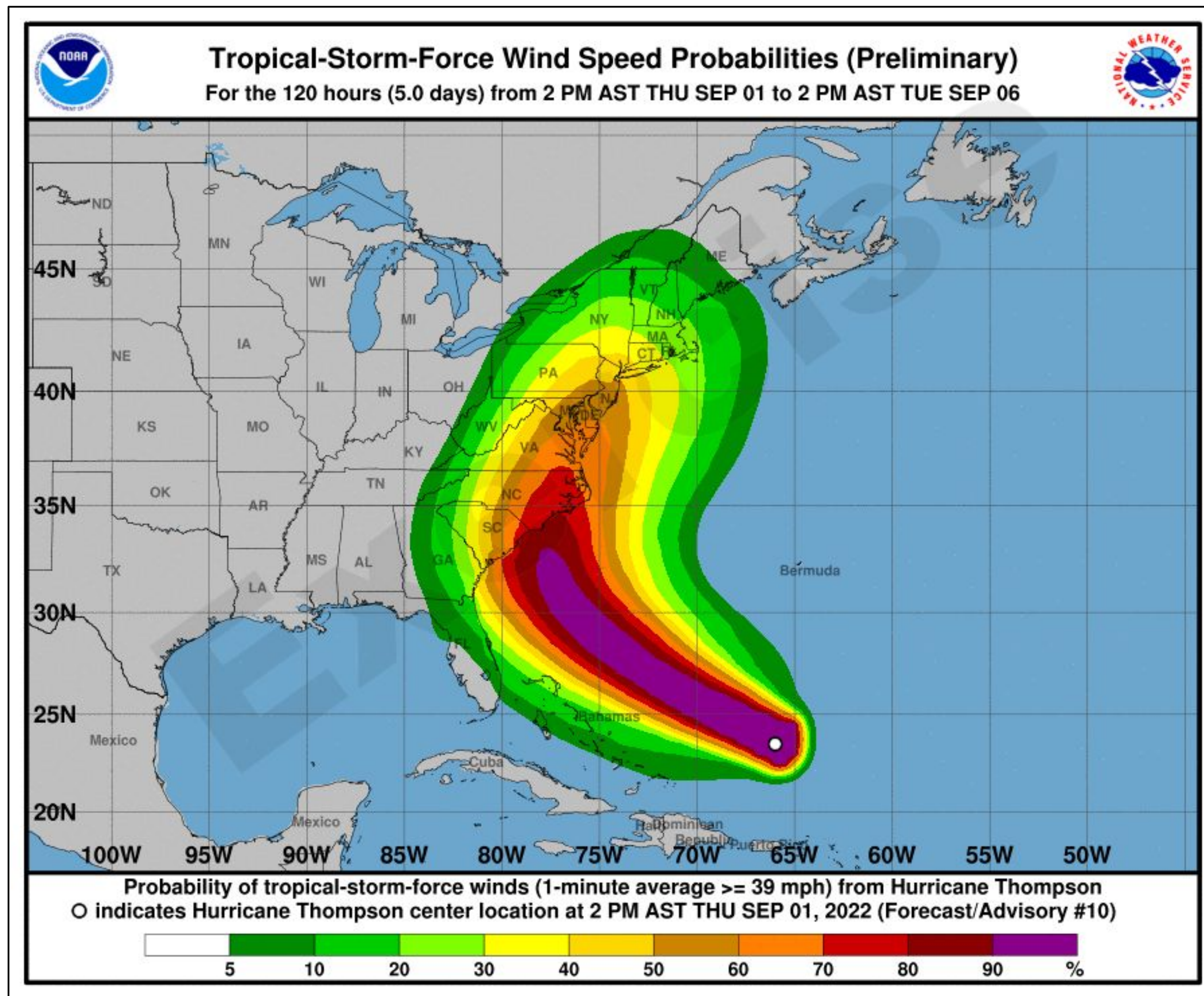
- No Watches or Warnings in effect
- Cone represents historical error and impacts can occur outside of the cone
 - Storm stays within cone 2/3 of time
 - Storm can track outside 1/3 of time

NOTE: Do not focus on the exact track.
Impacts can occur well outside the area enclosed by the cone.



Tropical Storm Wind Speed Probabilities

Hurricane Thompson



- Highest probability for southwest portions of Southern New England including Connecticut, coastal Rhode Island, and far southwest Massachusetts

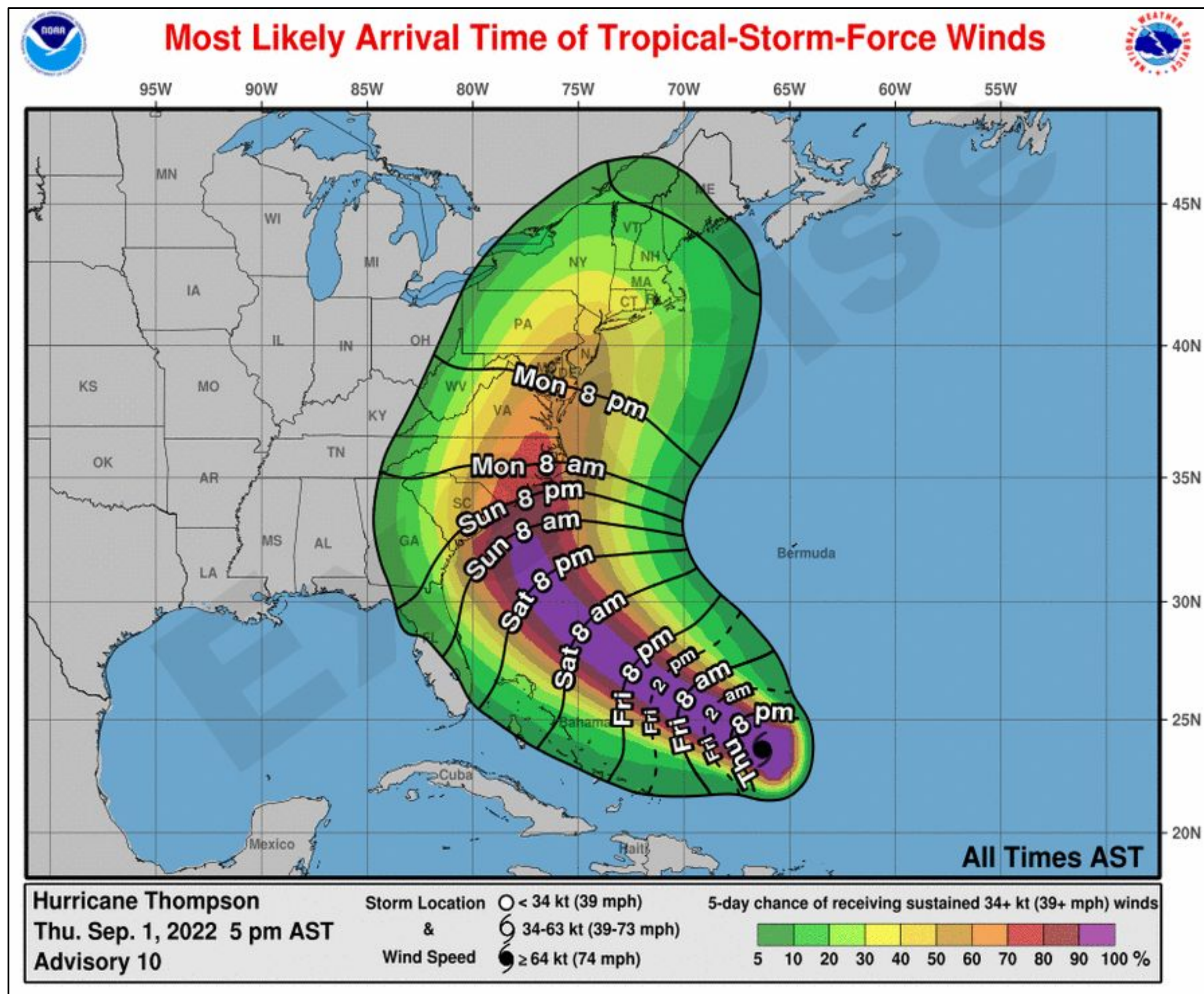
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Most Likely Time of Arrival

Hurricane Thompson



- The most likely time of arrival of Tropical Storm Force Winds is on Tuesday.
- However, this area could see Tropical Storm Force Winds as early as Monday night.

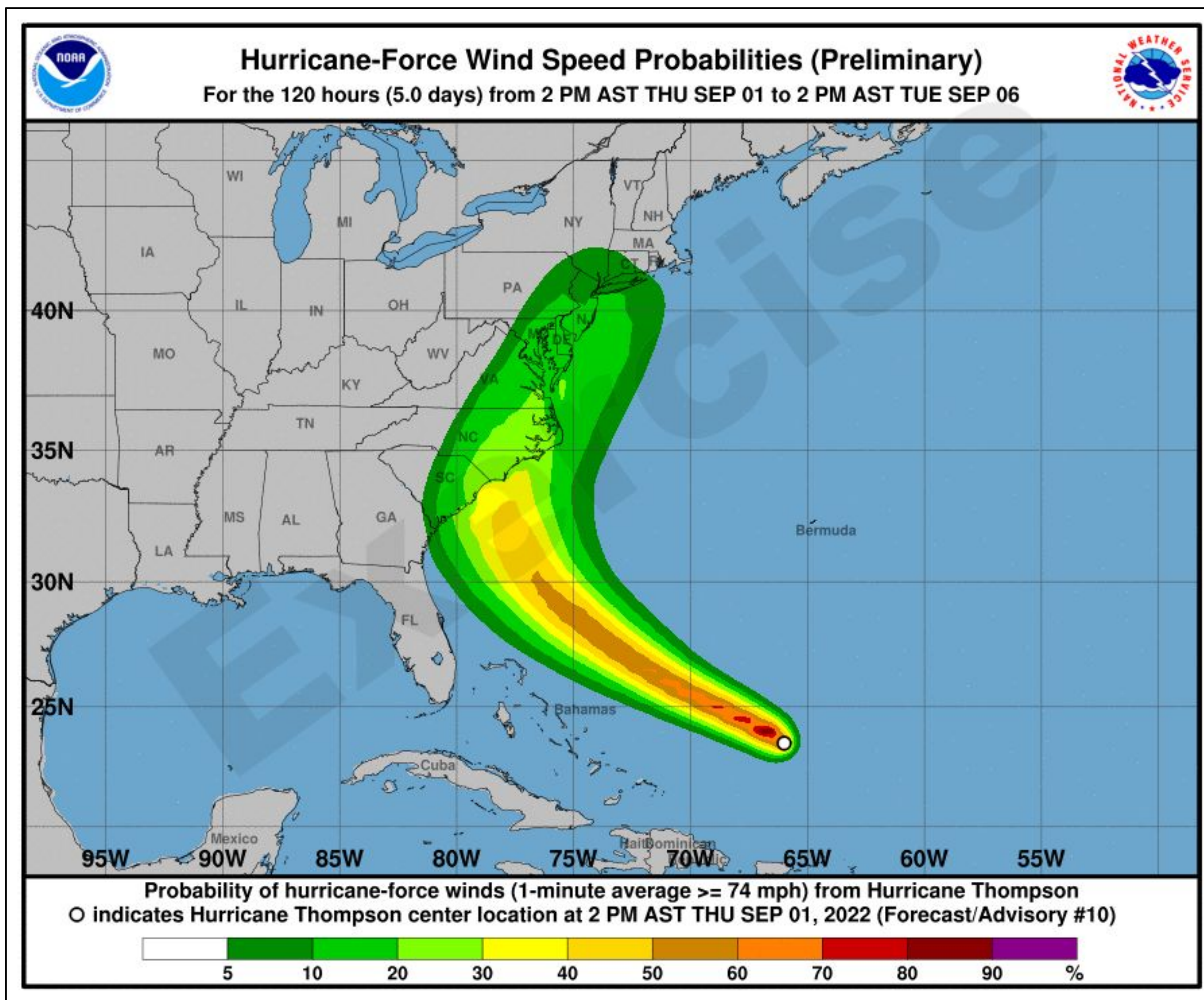
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Hurricane Wind Speed Probabilities

Hurricane Thompson



- Greatest risk for hurricane force winds is in western and coastal Connecticut.

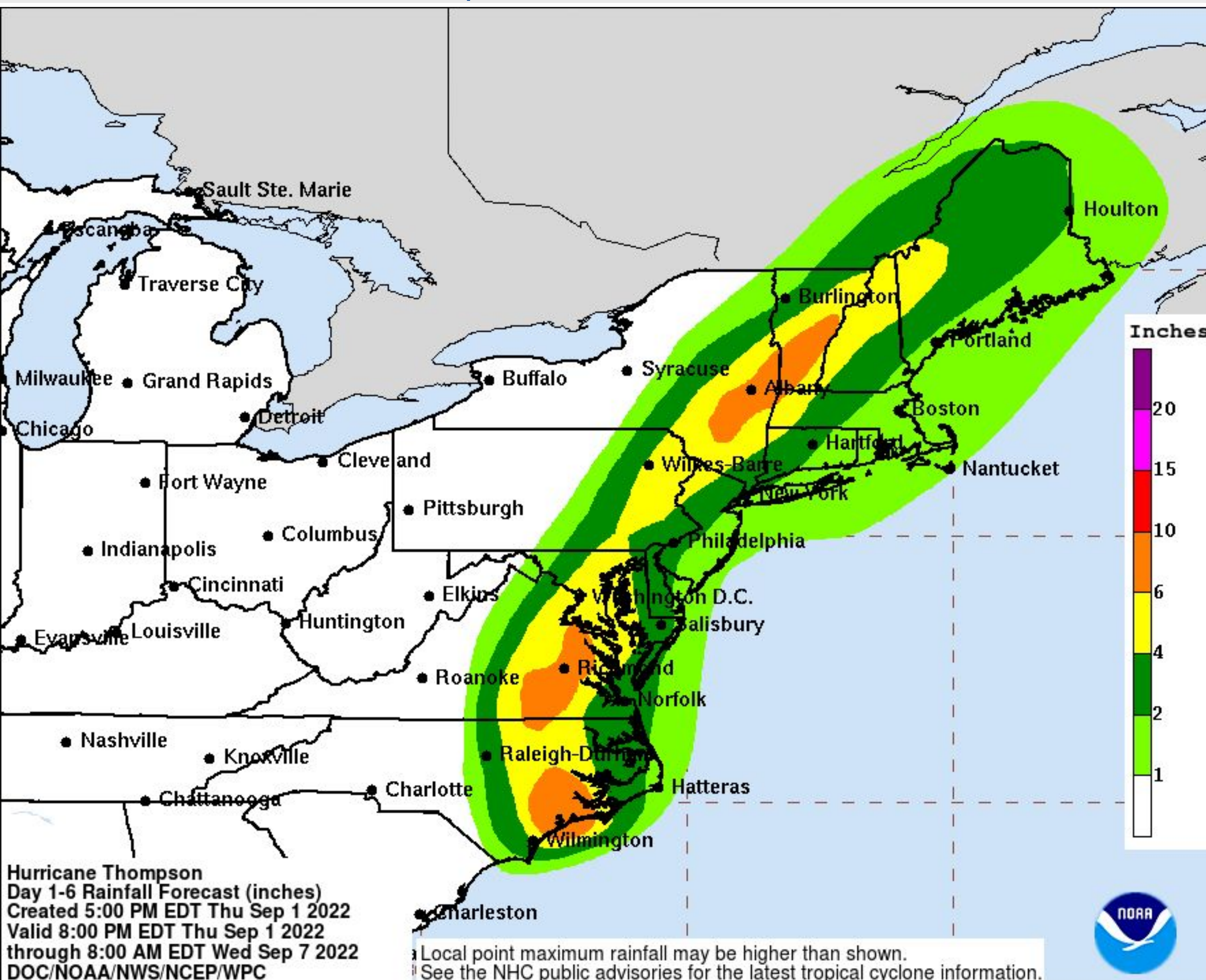
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Expected Storm Total Rainfall

Hurricane Thompson



- Western CT & Western MA could see 4-6" of rain through Monday. 6-10" possible for extreme western MA.
- Between 1" and 4" of rain (locally higher possible) across rest of southern New England

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Flood Hazard Outlook

Hurricane Thompson



Hurricane Thompson 7-Day Flood Hazard Outlook (Prototype)

Includes Flash, River and Tidal Flood Hazards

NWC
National
Water
Center

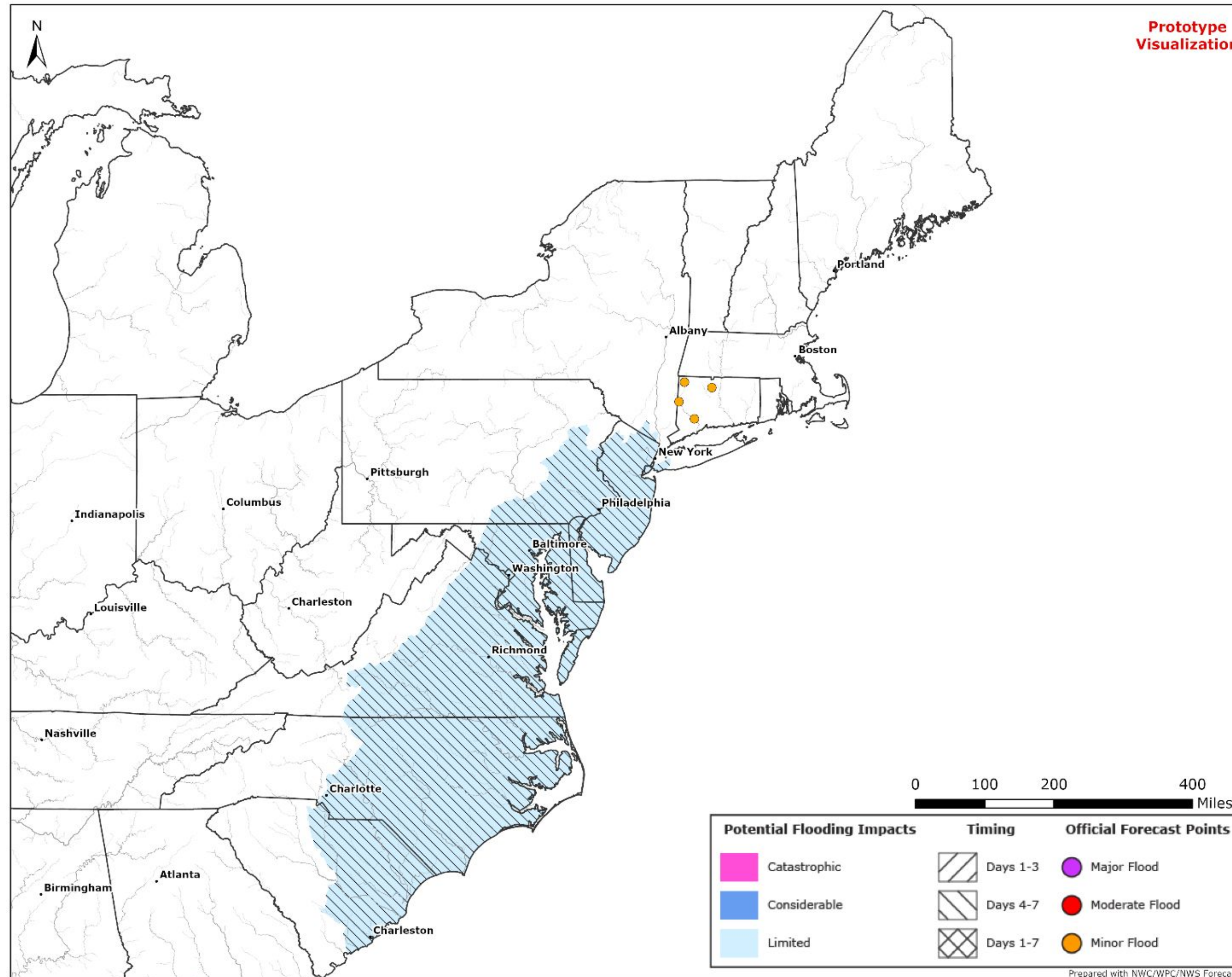
Issued: 2022-09-01 4:00 PM CDT (21:00 UTC) | Valid Through: 2022-09-08 4:00 PM CDT (21:00 UTC) | Next Issuance: 2022-09-02 6:30 AM CDT (11:30 UTC)

Flood Hazard Messages

East Coast

- Confidence is increasing that Thompson will impact the East Coast late this weekend and into next week, causing concern for potential flooding impacts.
- Minor flooding and elevated streamflows continue across southern New England following rainfall earlier this week, making this area susceptible to additional impacts.

Disclaimer: This outlook provides an overview of potential flooding impacts. Please refer to detailed products issued by local National Weather Services offices for official forecasts and warnings. (www.weather.gov)



About this product: https://nws.weather.gov/products/PDD/PDD_PrototypeFloodHazardOutlookProduct_2021.pdf | To provide feedback: https://nws.weather.gov/products/PDD/PDD_PrototypeFloodHazardOutlookProduct_2021.pdf

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Key Take-Aways

Hurricane Thompson

Confidence is low that the event will occur
Confidence is low regarding impacts



Damaging winds possible.



Surge flooding possible but will depend on track and timing which remain uncertain.



Rainfall flooding possible, especially along and west of the storm's track.



Dangerous marine conditions possible with high seas and potential for tropical storm or even hurricane force wind gusts.



Expected River Flooding

Hurricane Thompson



Key Messages for Hurricane Thompson

Advisory 10: 5:00 PM EDT Thu Sep 1, 2022



1. Thompson is expected to approach the coasts of North and South Carolina late this weekend, bringing an increased risk of impacts from strong winds, heavy rainfall, and storm surge to the region. Hurricane and tropical storm watches could be issued for portions of the coastal Carolinas on Friday.
2. The threat of strong winds, heavy rainfall, and storm surge from Thompson is forecast to spread northward along the U.S. East Coast early next week. It is too soon to determine the magnitude and location of these potential impacts. Interests along the entire U.S. East Coast should monitor the progress of Thompson and updates to the forecast.



For more information go to hurricanes.gov

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